

Reported Arizona Tuberculosis Cases During 1995

Arizona Department of Health Services - Epidemiology and Disease Control

DEMOGRAPHICS

Table 1: Disease Category by Morbidity and Mortality

Disease Category	Cases	Deaths* (%)
Pulmonary Only	258	6 (2%)
Pulmonary & Extra-pulmonary	16	2 (13%)
Extra-pulmonary Only	45	7 (16%)
Total	319	15 (5%)

Table 2: Age-Specific Rates

Age Group	Cases (%)	1995 Population Projections	Rate**
Under 5	17 (5.3%)	342,573	5.0
5 - 14	24 (7.5%)	612,652	3.9
15 - 24	27 (8.5%)	569,771	4.7
25 - 44	95 (29.8%)	1,278,445	5.1
45 - 64	90 (28.2%)	795,348	11.3
Over 64	66 (20.7%)	585,934	11.3
Total	319 (100%)	4,184,723	7.6

Table 3: Age Group by Sex

Age Group	Cases	Male (%)	Female (%)
Under 5	17	11 (65%)	6 (35%)
5 - 14	24	8 (33%)	16 (67%)
15 - 24	27	14 (52%)	13 (48%)
25 - 44	95	71 (75%)	24 (25%)
45 - 64	90	66 (73%)	24 (27%)
Over 64	66	37 (56%)	29 (44%)
Total	319	207 (65%)	112 (35%)

Table 4: Age Group by Race/Ethnicity

Age Group	Cases	White Not Hispanic (%)	Black Not Hispanic (%)	Hispanic (%)	Native American (%)	Asian Pacific Islander (%)	Other (%)
Under 5	17	2 (12%)	1 (6%)	12 (71%)	1 (6%)	1 (6%)	0
5 -9	17	0	0	14 (82%)	2 (12%)	1 (6%)	0
10 - 14	7	0	0	5 (71%)	1 (14%)	1 (14%)	0
15 - 24	27	3 (11%)	2 (7%)	18 (67%)	1 (4%)	3 (11%)	0
25 - 44	95	29 (31%)	5 (5%)	44 (46%)	9 (9%)	8(8%)	0
45 - 64	90	29 (32%)	3 (3%)	37 (41%)	13 (14%)	8 (9%)	0
Over 64	66	29 (44%)	3 (5%)	22 (33%)	10 (15%)	2 (3%)	0
Total	319	92 (29%)	14 (4%)	152 (48%)	37 (12%)	24 (8%)	0
1995 Population Projections	4,184,723	2,998,410	119,664	785,900	217,034	58,834	4,881
Race - Specific Rates**	7.6	3.1	11.7	19.3	17.0	40.8	0.0

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DEMOGRAPHICS CONT.

Table 5: County Specific Rate

County of Residence	Cases (%)	1995 Population Projections	Rate **
Apache	8 (3%)	64,054	12.5
Cochise	1 (0%)	109,865	0.9
Coconino	10 (3%)	109,755	9.1
Gila	2 (1%)	44,284	4.5
Graham	3 (1%)	31,376	9.6
Greenlee	0 (0%)	8,499	0.0
La Paz	1 (0%)	16,524	6.0
Maricopa	176 (55%)	2,424,547	7.3
Mohave	2 (1%)	126,361	1.6
Navajo	5 (2%)	82,773	6.0
Pima	40 (13%)	746,770	5.4
Pinal	6 (2%)	136,189	4.4
Santa Cruz	6 (2%)	33,160	18.1
Yavapai	3 (1%)	127,511	2.3
Yuma	56 (18%)	123,055	45.5
Total	319 (100%)	4,184,723	7.6

Table 6: County of Residence by Case Characteristics

County of Residence	Cases	Deaths* (%)	Known Cases with AIDS (%)	Homeless Cases*** (%)	Multiple Drug Resistant ****
Apache	8	0	0	0	0
Cochise	1	0	0	0	0
Coconino	10	0	1 (10%)	1 (10%)	0
Gila	2	0	0	1(50%)	0
Graham	3	1 (33%)	0	0	0
Greenlee	0	0	0	0	0
La Paz	1	0	0	0	0
Maricopa	176	7 (4%)	20 (11%)	25 (14%)	1
Mohave	2	0	0	0	0
Navajo	5	1 (20%)	0	0	0
Pima	40	6 (15%)	3 (8%)	7 (18%)	2
Pinal	6	0	0	1 (17%)	0
Santa Cruz	6	0	0	2(33%)	0
Yavapai	3	0	0	0	0
Yuma	56	0	3 (5%)	6 (11%)	0
Total	319	15 (5%)	27 (8%)	43 (13%)	3

Table 7: Case Characteristics 1990 - 1995

Year of Report to ADHS	Cases	Deaths* (%)	Known Cases with AIDS (%)	Homeless *** Cases (%)
1990	275	5 (1.8%)	8 (2.9%)	NA
1991	324	22 (6.8%)	13(4.0%)	NA
1992	258	12 (4.7)	14 (5.4%)	NA
1993	228	10 (4.4%)	16 (7.0%)	31 (13.6%)
1994	247	9 (3.6%)	14 (5.7%)	26 (10.5%)
1995	319	15 (4.7%)	27 (8.5%)	43 (13.5%)
Totals	1653	73 (4.4%)	92 (5.6%)	100 (NA)

Table 8: Resistance Patterns 1993 - 1995

Year of Report to ADHS	Cases	Number of Isolates with Sensitivity Testing	INH Resistance (%)	Multiple Drug Resistant**** (%)
1993	228	193	14 (7.2%)	3 (1.6%)
1994	247	201	18 (9.0%)	4 (2.0%)
1995	319	230	11 (4.8%)	3 (1.3%)
Total	794	624	43 (5.4%)	10 (1.3%)

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RISK INFORMATION

Table 9: General Risk Factors by Disease Category

Risk Factor	Pulmonary Cases***** (% of Disease Category Total)	Extra-pulmonary Cases (% of Disease Category Total)	Pulmonary***** and Extra-pulmonary Cases (% of total cases)
Occupation			
Correctional Facility Worker	0	0	0
Health Care Worker	6 (2%)	2 (4%)	8 (2%)
Migrant Farm Worker	3 (1%)	1 (2%)	4 (1%)
Known Behaviors			
Injectable Drug User***	14 (5%)	1 (2%)	15 (5%)
Non-injectable Drugs ONLY***	13 (5%)	0	13 (4%)
Excessive Alcohol Use***	34 (12%)	4 (9%)	38 (12%)
Residency			
Long Term Care Facility	14 (5%)	2 (4%)	16 (5%)
Correctional Facility	16 (6%)	0	16 (5%)
Homeless	41 (15%)	2 (4%)	43 (13%)
Foreign Born	110 (40%)	15 (33%)	125 (39%)

Table 10: Foreign Born

Foreign Born (FB) Cases by Area of Origin	Total Foreign Born TB Cases (%F.B.)	Years in the United States Before Tuberculosis Report			
		<2 yrs	2 to 3 yrs	4 or more	Unknown
Africa	1 (0.8%)	0	1	0	0
Asia	27 (21.6%)	11	2	10	4
Central America	3 (2.4%)	2	1	0	0
Europe	3 (2.4%)	1	0	1	1
Mexico	85 (68.0%)	27	8	39	11
Pacific Islands	1 (0.8%)	1	0	0	0
Puerto Rico	2 (1.6%)	0	0	1	1
South America	1 (0.8%)	1	0	0	0
Soviet Union	1 (0.8%)	1	0	0	0
Unknown	1 (0.8%)	0	0	0	1
Total	125 (100%)	44	12	51	18
% of F.B. Cases	100%	35.2%	9.6%	40.8%	14.4%
% of ALL cases that are F.B.	39.2%				

Note: The classification of Pulmonary TB also includes laryngeal TB.

* Death at the time of TB diagnosis.

** Rates per 100,000 based on 1995 population projections (approved February, 1995).

*** Within the year before TB diagnosis. (Routine collection of information began Jan. 1, 1993).

**** Resistance to at least INH and RIF

***** The classification of Pulmonary Cases also includes patients diagnosed with both pulmonary and extra-pulmonary TB.